

Series CL210 *short pulse*



15 Watt 1064 nm
7 Watt 532 nm

- high repetition rate solid-state diode pumped Q-switched laser in oscillator-amplifier configuration
- fundamental 1064 nm, green 532 nm available
- air-cooled, compact laser for micro and precision processing
- no additional cooling unit required
- excellent beam quality
- short pulses at high repetition rates
- high Peak Power
- first pulse suppression by fast energy modulation
- high reliability for 24/7 operation
- ports for TTL, analog and RS 232 control
- cost-effective operation
- customised modifications possible

Applications

- rapid prototyping
- micro-machining
- thin film structuring
- marking, trimming

Model	CL 210-1064 sp	CL 210-532 sp
Wavelength	1064 nm	532 nm
Power	10 W @10 kHz 15 W @ 30 kHz	6 W @10 kHz 7 W @ 30 kHz
Pulse Repetition Rate	1 – 100 kHz	
Pulse Width	8 ns @10 kHz 10 ns @ 30 kHz	5 ns @ 10 kHz 8 ns @ 30 kHz
Pulse Energy	1,0 mJ @10 kHz 0,5 mJ @ 30 kHz	0,6 mJ @10 kHz 0,4 mJ @ 30 kHz
Beam Quality	$M^2 < 1,4$	
Polarisation	Linear	
Cooling	Laser head / power supply – air / air	
Dimension Laserhead (W/H/L)	125 mm × 129 mm × 460 mm	
Dimension Power Supply (W/H/L)	19 Inch, 4 RU	
Power Consumption	110 –240 V, 50–60 Hz, 800 W	
Operating Temperature	15 – 35 °C	